



2022-2024 Advanced Placement (AP) Computer Science Principles (CSP) Grant Letter of Interest (LOI) Application Due 11:59 p.m. CT, July 12, 2022

NOGA ID

Authorizing legislation **General Appropriations Act, Article III, Rider 86, 87th Texas Legislature**

This LOI application must be submitted via email to **competitivegrants@tea.texas.gov**.

The LOI application may be signed with a digital ID or it may be signed by hand. Both forms of signature are acceptable.

TEA must receive the application by **11:59 p.m. CT, July 12, 2022**.

Application stamp-in date and time

Grant period from **August 31, 2022 to April 30, 2024**

Pre-award costs are **not** permitted for this grant.

Required Attachments

- 1. Excel workbook with the grant's budget schedules (linked along with this form on the TEA Grants Opportunities page)

Amendment Number

Amendment number (For amendments only; enter N/A when completing this form to apply for grant funds):

Applicant Information

Organization CDN Campus ESC UEI #

Address City ZIP Vendor ID

Primary Contact Email Phone

Secondary Contact Email Phone

Certification and Incorporation

I understand that this application constitutes an offer and, if accepted by TEA or renegotiated to acceptance, will form a binding agreement. I hereby certify that the information contained in this application is, to the best of my knowledge, correct and that the organization named above has authorized me as its representative to obligate this organization in a legally binding contractual agreement. I certify that any ensuing program and activity will be conducted in accordance and compliance with all applicable federal and state laws and regulations.

I further certify my acceptance of the requirements conveyed in the following portions of the LOI application, as applicable, and that these documents are incorporated by reference as part of the LOI application and Notice of Grant Award (NOGA):

- LOI application, guidelines, and instructions
- Debarment and Suspension Certification
- General and application-specific Provisions and Assurances
- Lobbying Certification

Authorized Official Name Title

Email Phone

Signature Date

Shared Services Arrangements

Shared services arrangements (SSAs) are **not** permitted for this grant.

Statutory/Program Assurances

The following assurances apply to this program. In order to meet the requirements of the program, the applicant must comply with these assurances.

Check each of the following boxes to indicate your compliance.

- 1. The applicant provides assurance that the application does not contain any information that would be protected by the Family Educational Rights and Privacy Act (FERPA) from general release to the public.

- 2. The applicant provides assurance to adhere to all the Statutory and TEA Program requirements as noted in the 2022-2024 Advanced Placement (AP) Computer Science Principles (CSP) Grant Program Guidelines.

- 3. The applicant provides assurance to adhere to all the Performance Measures, as noted in the 2022-2024 Advanced Placement (AP) Computer Science Principles (CSP) Grant Program Guidelines, and shall provide to TEA, upon request, any performance data necessary to assess the success of the program.

- 4. The applicant will include AP CSP as part of the course catalog for the 2023-2024 school year by December 2022 and will go through the necessary district policies to obtain school board approval.

- 5. The applicant will identify, recruit, and onboard qualified teachers to receive professional development training and become certified to teach an AP CSP course.

- 6. The applicant will identify and select a professional development provider.

- 7. The applicant will promote the AP CSP course offering to all students.

- 8. The applicant will provide support necessary to ensure students successfully pass the AP CSP course.

- 9. The applicant will provide a way for students to take the AP CSP exam after course completion for free or at a reduced cost.

Summary of Program

Provide an overview of the program to be implemented with grant funds. Include the overall mission and specific needs of the organization. Describe how the program will address the mission and needs.

Tornillo ISD is a small rural district whose mission is to empower our learning community to live their purpose by honoring values and beliefs for a holistic postsecondary journey. Being a small rural district, we are limited in resources in many areas including our Information Technology Program of Study. We currently have one instructor that will be teaching AP Computer Science A for the first time beginning 2022-2023 school year. Our district would like to increase the capacity of our IT Program of Study by affording our students the opportunity to have access to as many IT courses as possible to include AP Computer Science Principles. The funding will allow for our district to provide our instructor with the opportunity to receive the necessary training to teach AP CSP at our high school. Additionally, it would provide our district the opportunity to purchase a classroom curriculum and equipment. This course would give our students the opportunity to explore additional programming languages and aligning with our mission to provide a holistic postsecondary journey by earning college credit with a qualifying AP score.

TEA Program Requirements

1. Identify and describe the explicit need for grant funds to support an AP Computer Science Principles (AP CSP) course. How will this grant build capacity for the LEA? How will the LEA prioritize marginalized students in receiving access to the AP CSP course offering?

As mentioned, we currently have one instructor that will be teaching AP Computer Science A for the first time beginning 2022-2023 school year. Our district would like to increase the capacity of our IT Program of Study by affording our students the opportunity to have access to as many IT courses as possible to include AP Computer Science Principles. This course would give our students the opportunity to explore additional programming languages and aligns with our mission to provide a holistic postsecondary journey by earning college credit with a qualifying AP score. This course would be included in our IT Program of Study available to all students. Our district promotes our CTE courses to include our IT courses to all students beginning at the Jr. High School level. All students will be presented with information about this course the benefits that are included within.

TEA Program Requirements Cont'd

2. Describe how the LEA will select teachers to receive professional development to teach an AP CSP course. How will the LEA select teachers and ensure teacher commitment? How will the LEA ensure teachers have all the tools necessary to teach the AP CSP course successfully? Include how many teachers the LEA needs to provide the AP CSP course.

Again, because we are a small district with only one high school, our district will select our current IT instructor as the one to teach the Computer Science Principles course. Our district currently offers stipends to our CTE teachers for teaching four or more CTE courses in which CSP will be included. TISD will provide our teacher with the opportunity to receive the necessary training and PD to successfully teach our students.

3. The LEA will identify and select a professional development provider. Describe the nature of the LEA/provider relationship. Which vendor will be the professional development provider for the LEA? When and how will this training occur?

Currently we are exploring the option of using the curriculum provided by Project Lead The Way. Their Computer Science Principles curriculum is recognized and endorsed by the College Board. Our instructor will have the opportunity to attend the training provided by PLTW during the upcoming 2022-2023 school year or during the summer of 2023. PLTW currently offers an online 80-hour training over a 10 week period.

TEA Program Requirements Cont'd

4. Describe the course curriculum for classroom instruction. List any curriculum, technology, and/or equipment required for the course.

The Project Lead The Way curriculum aligns with and works closely with the College Board to align with the AP Computer Science Principles exam requirements and framework. The curriculum includes units which cover Algorithms, Abstraction, Internet, Data Diligence, Computing Innovations, and allocated time for working on the College Board Performance Task. Students will require the use of a computer lab which our high school has assigned for our IT courses.

5. Describe how students will be supported in selecting and succeeding in the AP CSP course. How does this course support the student's program of study or graduation plan? The LEA must include a plan for ensuring that students take and pass the AP CSP exam.

As mentioned, this course would be included in our IT Program of Study and will be available to all students. Our district promotes our CTE courses to include our IT courses to all students beginning at the Jr. High School level. All students will be presented with information about this course and the benefits that are included within. Our district will provide students, enrolled in this course, the opportunity to take the AP CSP exam free of charge. Additionally, we will provide these students the opportunity to receive additional AP CSP exam preparation during our district intersessions.

TEA Program Requirements Cont'd

6. Describe the course evaluation procedure and outline student success measures. Describe how the LEA will ensure successful grant administration by measuring the following metrics: (a) Increase in the number of CTE completers taking an AP course; (b) Increase in participation and/or performance of students taking and/or passing the AP CSP exam; and (c) Increase in number of special populations and non-traditional students enrolled in an AP CSP course.

We will document the number of CTE completers that take an AP course during the 2022-2023 school year and compare them to the 2023-2024 CTE completers. This data will allow us to track the a) increase in students taking an AP course b) student participation and/or performance of students taking and/or passing the AP CSP exam and c) the number of special populations and non-traditional students enrolled in an AP CSP course. We will provide information and the benefits of enrolling in the course to all of student population.

7. Describe how the LEA plans to implement and sustain the AP CSP course at each campus and how the course will continued to be offered beyond the grant.

Tornillo ISD plans to implement this course for the school year 2023-2024. The primary use of the grant will be to fund the tuition for our instructor to receive the necessary PD provided by PLTW. Funding will also be used to fund instructor pay for hours worked during training. Remaining funds will be used towards the purchase student PLTW program license usage. There after we will use Campus funds and district CTE allocated funding to purchase and sustain required student program license usage and AP CSP exam fees if grant funding does not continue.

Goals, Objectives and Strategies

Describe the major goals/objectives of the proposed program. What activities/strategies will be implemented to meet those goals/objectives?

The goals of this program is to increase the capacity of our Information Technology Program of Study by providing our students the opportunity to enroll in an additional AP course. An additional AP course will give our students an additional opportunity to earn college credit with a qualifying score. Lastly, this will provide our students exposure to more Computer Science course work and will better prepare them for postsecondary degrees and career opportunities. Strategies and activities to meet our goals will include giving students the opportunities to receive further instruction and assistance during district intersessions. With the knowledge and experience our students will obtain while enrolled in this course, they will be eligible to participate in our practicum course. This will allow these students to work with our IT Department and utilize the knowledge acquired from the AP CSP course.

Budget Narrative

Describe how the proposed budget will meet the needs and goals of the program, including for staffing, supplies and materials, contracts, travel, etc. If applicable, include a high-level snapshot of funds currently allocated to similar programs. Include a short narrative describing how adjustments will be made in the future to meet needs.

The primary use of the grant will be to fund the tuition for our instructor to receive the necessary PD provided by PLTW. Remaining funds will be used towards the purchase student PLTW program license usage. We will track student participation and determine how we might be able to support the program as it grows. This may require the use of campus and district CTE allocated funding to purchase and sustain required student program license usage and AP CSP exam fees if future grant funding is not available.

Appendix I: Amendment Description and Purpose (leave this section blank when completing the initial application for funding)

An amendment must be submitted when the program plan or budget is altered for the reasons described in the "When to Amend the Application" document posted on the [Administering a Grant](#) page. The following are required to be submitted for an amendment: (1) Page 1 of the application with updated contact information and current authorized official's signature and date, (2) Appendix I with changes identified and described, (3) all updated sections of the application or budget affected by the changes identified below, and, if applicable, (4) Amended Budget Request. Amendment Instructions with more details can be found on the last tab of the budget template.

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Amended Section

Reason for Amendment